

LISTING OF THE CLAIMS:

A complete listing of the claims is provided below. This listing of claims will replace all prior versions, and listing, of claims in the application.

1-12. (Cancelled)

13. (Original) A method for providing back-up temperature control, comprising the steps of:

maintaining the temperature inside a chamber within a temperature range with a first controller;

sensing the temperature inside a chamber with a second temperature controller;

cycling a compressor on and opening a first valve when the temperature inside the chamber is outside the temperature range of the first controller and reaches a maximum temperature set point of the second temperature controller;

measuring the time duration after the compressor cycles on said first valve is opened;

shutting the first valve after a predetermined time has passed and opening a second valve;

and

cycling the compressor off when the temperature in the chamber is outside the selected range of the first controller and reaches a minimum temperature set point of the second temperature controller.

14. (Original) The method of claim 13 wherein said second temperature controller is a mechanical thermostat.

15. (Original) The method of claim 14 wherein said first valve is a hot gas bypass solenoid valve.

16. (Original) The method of claim 15 wherein said second valve is a high pressure liquid solenoid valve.

17. (Original) The method of claim 13 wherein said maximum temperature set point of said second temperature controller is 37 °F.

18. (Original) The method of claim 13 wherein said minimum temperature set point of said second temperature controller is 33 °F.

19. (Original) The method of claim 18 wherein said maximum temperature set point of said second temperature controller is 37 °F.

20. (Original) The method of claim 13 wherein said method is employed in an incubator.

21-22. (Cancelled)